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 MURLEY,T.E. Office of Nuclear Reactor Regulation, Director (Post 870411)

SUBJECT: Part 21 rept re potential common mode failure of OT-2 type
 reset switches supplied by Westinghouse.

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June 15, 1990

U.S. Nuclear Regulatory Commission
Document Control Desk
Attention: Dr. Thomas E. Murley
Office of Nuclear Reactor Regulation
Washington, DC 20555

Subject: Notification of 10CFR, Part 21
R.E. Ginna Nuclear Power Plant
Docket No. 50-244
License No. DPR-18

Dear Dr. Murley:

Rochester Gas and Electric Corporation is submitting the attached, updated 10CFR, Part 21, Evaluation and Notification. The notification concerns a potential common mode failure of OT-2 type reset switches supplied by Westinghouse during the late 1960's.

As part of corrective action taken for LER 89-016 (Due to a Design Deficiency the Failure of the SI Block/Unblock Switch Could Render Some Automatic Actuation Features of Both Trains of SI Inoperable), an evaluation of eighteen (18) main control board OT-2 type switches that are common to both trains of safeguard functions was performed to determine if a single failure could potentially disable safeguard functions. The results of this evaluation identified six (6) manual reset switches that could result in disabling both trains of their safeguard function if the switch failed in the reset position.

These switches are as follows: (1) Safety Injection Reset, (2) Containment Isolation Reset, (3) Containment Spray Reset, (4) Containment Vent Isolation Reset, (5) Feedwater Isolation - Loop A Reset, (6) Feedwater Isolation - Loop B Reset.

The above listed OT-2 type reset switches are used very infrequently. These reset switches are only used following safeguards testing during the annual outage or for reset of an actual event.

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Page 2

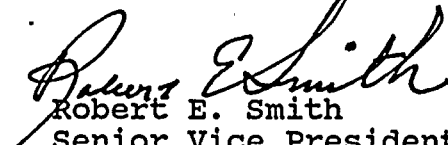
Dr. Thomas E. Murley

June 15, 1990

The plungers for all of the above listed OT-2 type reset switches have been verified to be in the proper position (i.e., plungers recessed). This ensures that contacts are in the proper position and the switches are functioning properly.

Specific information regarding failure identification and corrective action taken are detailed on the enclosed Attachment I. Should further information be required, please contact Mr. Steve Adams, Ginna Station Technical Manager, at (315) 524-4446.

Very truly yours,


Robert E. Smith
Senior Vice President
Production Engineering

xc: Mr. Thomas T. Martin
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

xc: Ginna Station USNRC Senior Resident Inspector

Attachment I

Name: Robert E. Smith
Title: Senior Vice President, Production & Engineering
Facility: R.E. Ginna Nuclear Power Plant
Docket No.: 50-244

Basic Component: OT-2 Type Switches

Supplier: Westinghouse Electric Corporation

Nature of Defect: Eighteen (18) main control board OT-2 type switches that are common to both trains of safeguard functions were evaluated to determine if a single failure could potentially disable safeguard functions. This evaluation identified six (6) manual reset switches that could result in disabling both trains of their safeguards function if the switch failed in the reset position.

Date Obtained: This information was developed May 29, 1990, following the completion of an Engineering evaluation of the 18 main control board OT-2 type switches.

Basic Component Affected:

Six (6) safety related main control board OT-2 type reset switches.

Corrective Action: Immediate corrective action was to verify that the switches were in the proper position and functioning properly. This was accomplished by verifying that the plungers were in the proper position. Further corrective action being evaluated to eliminate the single failure concern via design changes are: (1) the addition of separate independent switches for each train, or (2) rewiring and/or reconfiguring existing switches to provide adequate separation between trains A and B.

Responsible Individual for Action:

Steven T. Adams, Technical Manager, Ginna Station

Attachment I

(continued)

Time to Complete Action:

All reset switches affected were verified functioning properly. Corrective action to eliminate the single failure concern is planned for the 1991 annual refueling and maintenance outage.

Advice Related to Defect:

Westinghouse stipulates that the OT-2 type switches are highly reliable and have a low probability of failure. There have been no reported OT-2 type switch failures which have resulted in a common mode failure when used for manual actuation, manual block, or manual reset of safety related functions.

